

FOLIO

Lemieux Wins Killam Prize

In Ottawa yesterday, 25 March, it was announced that Raymond Lemieux, Professor of Organic Chemistry, is one of the three winners of the first Izaak Walton Killam Prizes in Sciences, Engineering and Medicine. These prizes, in the amount of \$40,000 each and normally free of tax, were created last September to honor Canadian scholars of high international renown. Replacing

the Izaak Walton Killam Memorial Scholarships, the prizes are administered by the Canada Council which uses funds provided by the late Mrs. Dorothy J. Killam. Not related to any particular achievement, the prizes are awarded in recognition of the distinguished careers of active researchers wherever they might be employed.

As many readers of *Folio* will

already know, Dr. Lemieux's contributions to the advancement of knowledge have been significant and far ranging. As long ago as 1953, Dr. Lemieux became the first person to synthesize sucrose, an accomplishment referred to in one popular text as "the Mount Everest of Organic chemistry." That achievement, however, is only one in a series of fundamental discoveries and developments for which Dr. Lemieux has been justly praised.

Dr. Lemieux pioneered with W.G. Schneider of the National Research Council the application of proton magnetic resonance spectroscopy to the acquisition of stereochemical data. His work on the synthesis of artificial antigens, in particular the synthesis of tri- and tetra-saccharidic structures used for the preparation of such antigens and monospecific immunoabsorbants, is of basic and vital significance in the area of blood group antigens. That research is being conducted in collaboration with the Canadian Red Cross and products are expected to appear on the world market some time this year.

Dr. Lemieux has received many honors for his efforts to better mankind, being elected to the Royal Society of Canada at 34 years of age and later to the Royal Society (London). An Officer of the Order of Canada, and the recipient of seven honorary doctorates, he has also been recognized by his colleagues in the Chemical Institute of Canada and the American Chemical Society. For all these honors, however, perhaps the best

indication of the value of Dr. Lemieux's work—at least to the layman—is the fact that, while proper names are no longer customarily associated with phenomena or reactions, the chemical world speaks of a "Lemieux reaction" and the "Lemieux-Johnson reaction." Fundamental discoveries still acquire the names of their discoverers.

There were three Killam Prizes announced yesterday, the other two being awarded to Firoze Ghadially, a medical pathologist at the University of Saskatchewan, and Louis Simonovitch, a geneticist at The Hospital for Sick Children in Toronto.

Dr. Ghadially has received world-wide recognition for his important contribution to the study of cancer, the understanding of arthritis and the application of advanced biophysics techniques to problems of human disease. He is probably the best known pathologist working in the area of electron microscopy and his writings have become basic texts in the field.

Dr. Simonovitch has similarly established an international reputation in what might be termed broadly, the medical field. A pioneer of the genetic analysis of cells, he is currently active in the exploration of the metastatic growth of cancer cells—research, that is, contributing to the understanding of tumor biology.

Each of these three scholars, then, has been recognized in the award of a Killam Prize for his contributions to advanced research. Their work amply reflects the basic goal of the late

Innovative Project Funded in Economics

Members of staff in the Department of Economics, Faculty of Arts, may not be expert fishermen but, this time, they really have landed a big one—an Innovative Project grant of \$83,200 from the Learning Systems Branch of Alberta Advanced Education and Manpower. The project, teaching economics with APL, will last, in the first instance, for three years with the funds being disbursed thus: \$39,000 in 1980-81 and \$22,100 in 1981-82 and again in 1982-83.

APL is, according to the project proposal, a special kind of computer language that is a "comprehensive and completely consistent mathematical notation that also lends itself to sequential computation of specific numerical implementations." Moreover, while APL differs from other computer assisted instruction (CAI) software in that it allows the student to participate in the

programming, normal chores are kept to a minimum with the result that only a few hours of instruction are required for its use.

The group in the Department of Economics (Project Directors S.D. Lewis and B. Von Hohenbalken and their associates, T.L. Powrie and B.L. Scarfe) plans to exploit the special features of APL to design models and modules in the areas of macro-economics and optimization. Higher level undergraduate and graduate students attending classes in these fields and various mathematics for economists courses will benefit most from the project. They will be able to implement and recombine the modules in an interactive setting at terminals in the Henry Marshall Tory Building. Thus, such students will gain an easier familiarity with abstract concepts by being able to "see" and manipulate them. □

Dorothy J. Killam's philanthropy:
"My purpose in establishing the Killam trust is to help in the building of Canada's future by encouraging advanced studies. Thereby I hope to increase the scientific and scholastic attainments of Canadian, to develop and expand the work of Canadian universities and to promote sympathetic understanding between Canadians and the people of other countries." □

This Week's Quote

"The University will attempt to provide a housing environment which contributes to . . . enlivening the University community as a special urban area within the City of Edmonton, an urban community which has vitality and activity at all hours of the day. . . ."

Source: Preliminary draft of *Student Housing Guidelines* submitted to GFC Executive Committee, Monday, 16 March.

FOLIO

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Widespan Lightweight Roof Structures

Ewald Bubner, Head of the Department of Civil Engineering at the University of Essen, Federal Republic of Germany, a distinguished authority on lightweight structures, and Michael Dickson, Civil Engineer, with an impressive educational background and considerable exposure to work on large free form structures, will present an advanced technical seminar to introduce the concept of lightweight structures to engineers, architects, the Public Service, and principals of the private sector resource industries. The theory and mathematics of tension structures; the design and construction techniques now shown to be successful in various projects through Europe and North America, will be discussed at the seminar organized by the Faculty of Extension.

Learning from "nature's" own forms, the lightweight curved form in which internal tension facets replace the arch principle and distribute stresses within the structure itself, was developed in this century. Today, major advances in lightweight tension structures make an entire range of design applications possible in Canada, from sports arenas, theatres, exhibition halls, to domed greenhouse acreages for year-round market gardening, far northern resource extractions, mining, pipelines, power generating, to full sized cities.

Widespan structures can be used to house men and machinery on such places as northern resource construction sites, pipelines, etc., not only at the building stage, but for the finished product, by providing continuous workable

climate conditions in extreme weather regions, eliminating problems associated with subzero, humid, pest-ridden or other severe weather aspects. From arctic to desert, controlled climates are possible.

The answer to serious engineering problems may be found by using grid shells, cable nets or membrane domes, with savings in millions of dollars in terms of reduced breakdown from the rigors of climate, and in improved worker productivity.

Please register now or indicate your interest by a telephone call (432-5318). Registration fee is \$195, including lunches at the Faculty Club and course materials. Class size is limited, so please register as early as possible. □

Modern Language Association Recognizes Journal

The *Canadian Review of Comparative Literature/Revue Canadienne de Littérature Comparée*, housed and edited at this University, has been recognized "as being of prime importance to the field of literature." This high accolade from a group of specialists appointed by the Modern Language Association of America has been given to only a very select number of the more than 2,877 periodicals and serials related to literature. In the words of the MLA Director, Research Data Bank, the *CRCL/RCLC* will be one "of the 288 journals currently designated as central to the fields of language, literature, or folklore."

As a result of this recognition, then, the journal will become part of the basis of the MLA Contextual Indexing and Faceted Taxonomic Access System (CIFT). Again, the MLA Director, Research Data Bank: "The most dramatic change that will take place under the CIFT system is

the creation of a detailed subject index. Using the CIFT system . . . will . . . provide access to the articles published in the journal under subject terms such as influences, themes, methodological approaches, to mention only a few." The MLA will still continue to index other materials but "not to the maximum level of specificity planned for" the *Canadian Review of Comparative Literature/Revue*

Canadienne de Littérature Comparée.

Under the editorship of Milan V. Dimic and E.D. Blodgett of the Department of Comparative Literature, the journal is going on from strength to strength. *Folio* readers may recall that the journal also received the design and production award of the Association of American University Presses in 1979. That award is one made only once every decade. □

Teacher Certification Evaluation

Education Minister David King announced on 5 March a policy change to the Principles of Evaluation for Teacher Certification in the province. The change was effective 16 February 1981.

"Matriculation," said the Minister, "will no longer be considered an issue in the evaluation of those who apply for Alberta

teacher certification."

Now, an applicant who presents a recognized four-year university degree, which might be deemed an equivalent of an Albertan university Bachelor of Education degree, will be considered eligible for teacher certification providing all other requirements are met. □

Richmond Wilberforce Longley, 1907-1981

Professor Emeritus Richmond W. Longley, "Dick" to his many friends and colleagues, passed away on 7 March while attending a hockey game. Spry and active to the last and, seemingly, in the best of health, his sudden death came as a great shock to all who knew him. Widely known and mourned by all, his loss is felt especially keenly by his wife, Margaret; by his two sons, Douglas and Bruce; six grandchildren, and nine brothers and sisters.

Born in Paradise, Nova Scotia, in 1907, he spent his childhood on his father's farm. In 1928, he graduated from Acadia with a BSc(Hons) in Mathematics. Continuing his studies at Harvard, he earned an AM in Mathematics in 1929, and an EdM in 1932. He then returned home and served for some six years as a teacher and principal in Nova Scotia high schools. In 1935 he married Margaret, who he had first met when they were both students at Acadia.

Professor Longley's long and fruitful association with meteorology began in 1939, when the threat of impending war sharply increased the demand for "weathermen." Reading the signs and heeding the call, he decided to join the Meteorological Service of Canada. Like all fledgling forecasters of the day, he had to undergo a special program of studies at the University of Toronto which, in less than a year, earned him an MA in Meteorology. In June 1940, his training completed, he was posted to Halifax as a forecaster, but within a year he was asked to return to the Toronto Training Branch and become an instructor.

After the war, he moved to Montreal and served some five years as a forecaster at the Dorval airport. In 1951, he accepted a position at the Climatological Office in Toronto. A year later he was promoted and transferred to the Suffield Experimental



Station in southeastern Alberta. After four years of research on turbulence and diffusion, he left to take up a new post as officer-in-charge of the weather office at Resolute, NWT. His two years in the North provided him with the opportunity to acquire a sound knowledge of the Arctic which served him well in later years. In September 1958, his northern tour of duty at an end, he left Resolute and joined the Arctic Forecast Team at the Edmonton Weather Office.

A year later, Richmond Longley resigned from the Meteorological Service of Canada, and came to The University of Alberta as an Assistant Professor. He had hoped to teach only meteorology, but since the demand for such courses was initially low, he also taught mathematics. But he never lost sight of his ultimate goal: the establishment of a graduate degree program in meteorology at The University of Alberta, the only such program in Canada west of Toronto. In due time this he was able to do, with the full support of the Department of Geography and the Meteorological Service of Canada (later to become the Atmospheric Environment Service).

Over the years, he has been active also in all phases of the educational, research, and administrative functions of the Department of Geography,

including extended periods as Acting Head and Associate Chairman. He has also participated in the work of several important University, provincial, and national committees. Within this busy schedule, he still found time to serve church and community in diverse capacities, such as being Clerk of the monthly meetings of the Religious Society of Friends, the Representative of the Quakers on the Edmonton Council of Churches, the Editor of the *McKernan Messenger* and, in former years, a scoutmaster.

Promoted to Associate Professor in 1962 and to Professor in 1967, the relentless passage of the years brought him to the age of retirement in 1973. The University acknowledged his remarkable achievements by honoring him with the title of Professor Emeritus.

But official retirement at 65 was to Professor Longley merely a formality decreed by society for reasons known only to itself. Released from administrative

chores and duties, he immediately offered his services to the Canadian Executive Service Overseas and, in August 1973, set off with Margaret for Brazil, where he had accepted a post as adviser to a college planning a meteorological training program. When they had done all that could be done with the very limited local resources, they left Brazil and flew to South Africa for what was to be a brief visit with friends. Instead, they stayed for two years, for there was Professor Longley's kind of work to be done at the Pretoria Weather Office.

When they finally returned home in May 1976, it was back to the old routine. Provided with a tiny, windowless room in the Tory Building, he came in every morning, walking his mile, rain or shine, to continue the work that only death could terminate. A prodigious worker and busy to the end, Professor Longley was the author or co-author of some 70 scientific papers and reports and two well-known textbooks on meteorology. □

New Chairman in Family Studies

W.J. Adams has been appointed Chairman of the Division of Family Studies in the Faculty of Home Economics. Dr. Adams's term of office will be for five years beginning 1 July 1981.

Wesley Adams graduated from the University of Wisconsin-Milwaukee in 1960 with a BSc in Psychology and, two years later, was awarded a MSSW having majored in the field of psychiatric social work. In 1969, he gained a PhD from Oregon State University at Corvallis. A winner of several academic awards, Dr. Adams's first university appointment was as Assistant Professor in Family Studies at the Central Washington University

in Ellensburg. He moved north of the 49th parallel in 1971 when he accepted a position as Associate Professor in Family Studies at The University of Alberta. In 1978, he was appointed Professor.

Dr. Adams has published widely in the fields of family life, counselling, and sexuality. The title of one of his most recent publications is intriguing—"Honeymoon Expectations of University Students Enrolled in a Marriage Course: What Do They Reveal?" To find out, *Folio* readers should refer to the *Canadian Home Economics Journal* (1980): pp. 101-6. □

The New Canadian Encyclopedia

Members of the National Advisory Board for *The Canadian Encyclopedia* met recently in Edmonton to confer with one another about the state of progress of their project. Preparation of the encyclopedia, a major gift to the nation in celebration of our province's recent 75th anniversary, is a mammoth undertaking making use of the advanced computer technology available at this University. In addition, the most advanced web offset production technology current in Canada will be employed to produce the first printing of some 100,000 copies.

The Canadian Encyclopedia is the brain child of Edmonton publisher Mel Hurtig. His company has established a special division for the production of the large format work. There will be some 14,000 articles in the encyclopedia as well as some 1,600 photographs, maps, diagrams and the like.

There are ten members of the National Advisory Board recruited from across the country. In addition to Killam Professor of Chemistry and former President of this University, Harry Gunning (Senior Adviser), the following people serve on that Board: J.M.S. Careless, Professor of History, University of Toronto;



D. Dunton, Fellow, Institute of Canadian Studies, Carleton University; E. Kushner, Professor of French Literature, McGill University; P. Maranda, Professor of Anthropology, Université Laval; W. New, Professor of English, University of British Columbia; R. Sheinin, Professor of Micro-

biology, University of Toronto; T. Symons, Vanier Professor, Trent University; C. Wallace, Chairman, Atlantic Provinces Higher Education Commission; and N. Ward, Britnell Professor of Political Science, University of Saskatchewan.

For further information about

the aims and scope of *The Canadian Encyclopedia*, readers of *Folio* may contact the Managing Director, Frank McGuire, or the Editor-in-Chief, James H. Marsh, at Ring House #2, The University of Alberta, Edmonton T6G 2E1. The telephone number is (403) 432-2625/6. □

Asbestos Control Program

The University of Alberta has initiated a comprehensive program to identify and correct all areas where sprayed-on asbestos materials have been used in academic, residence, food service and administrative facilities of the University. Asbestos removal is currently being scheduled for the Michener Park and Lister Hall residence this summer. The Department of Physical Plant has already completed corrective measures in several buildings.

Sprayed-on asbestos material

has been used in buildings for acoustical, insulation and fire retardant purposes. Because of the concern stemming from the shedding of asbestos fibres, the use of asbestos in sprayed on applications has been prohibited since 1972. The health hazard of asbestos is in direct proportion to the amount of airborne fibre and exposure time. The friability of the asbestos material, accessibility or damage potential, occupancy exposure time, and ventilation system contamination are some

of the factors that will guide the establishment of work priorities.

Funds totalling several millions of dollars have been requested from Alberta Advanced Education and Manpower to allow the program to move along quickly. Due to the magnitude of the Asbestos Control Program, the constraints on work scheduling and the limited availability of qualified labor, this task will take considerable time to complete and will cause slight incon-

venience to some building occupants. □

Wrong Number

Those people interested in the program of research into migraine headaches undertaken by George Fitzsimmons and his colleagues in the Department of Educational Psychology should telephone 432-5214 and not the number publicized in last week's *Folio*. □

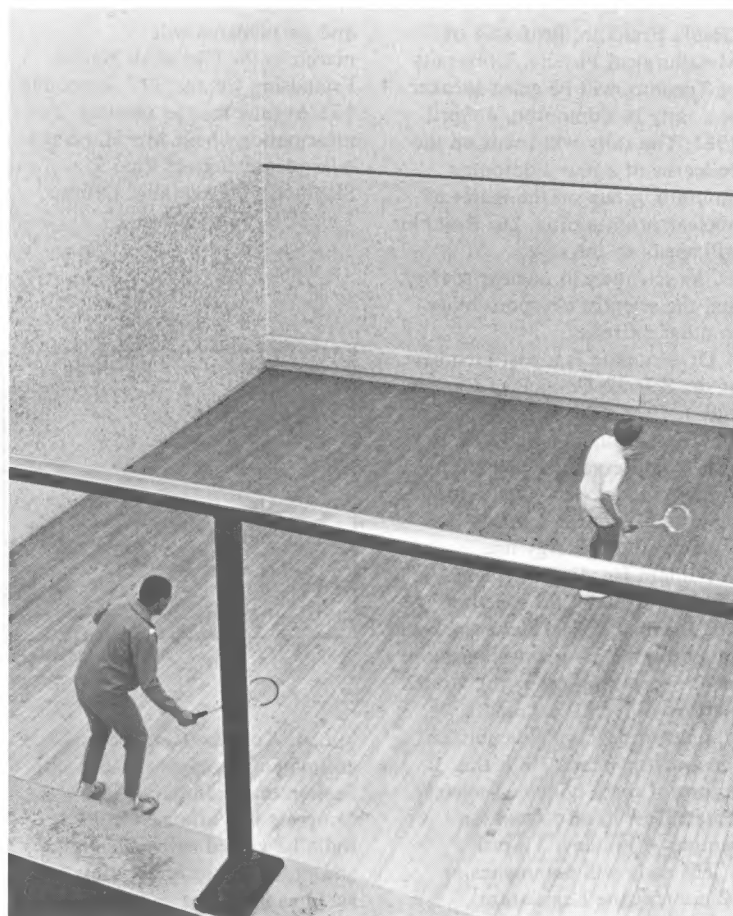
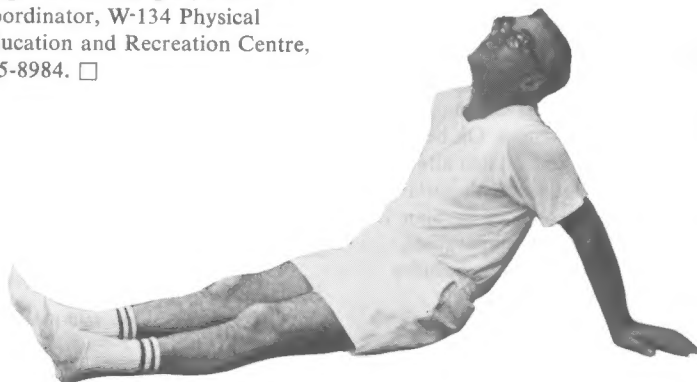
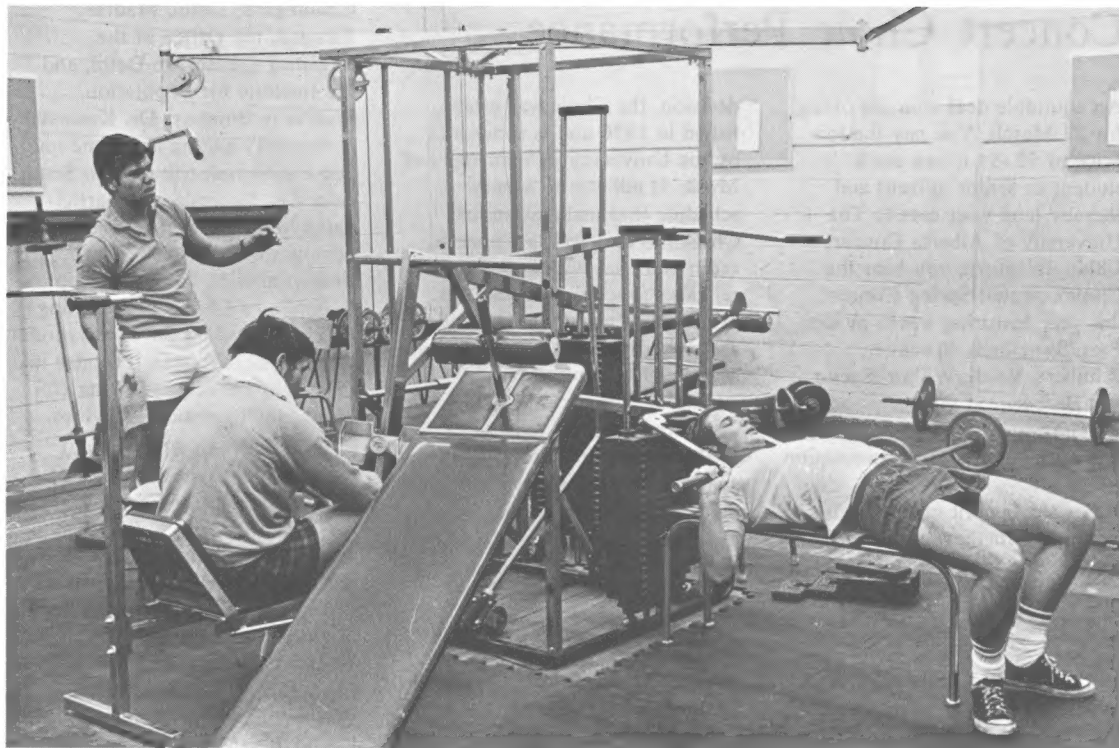
Fun for Fitness Followers

Fitness friends, followers and even freaks will have a great opportunity on 10 April to get together to compare girths, trunk forward flexion or "jogger's limp." On that day, the Department of Athletic Services will host a "Spring Fling" for the hundreds of people who are involved in fitness at this University. The "Fling" will take the form of a dance (probably not Scottish), some entertainment, and a few presentations.

Essentially the purpose of the event is to acknowledge the existence of a large group of people at this institution who, formally or informally, are interested in becoming and remaining fit. By far the greater number of these people run, skate, swim, and exercise by themselves without the benefit of company. In the words of Athletic Services Fitness Coordinator Art Burgess, "the struggle quietly alone."

The idea, then, is to bring together these "Sillitoe-esque" people in an annual event. Current plans call for a semi-formal evening costing \$15 per person. Dancing will be to a "middle of the road" band and there will be a "no-host" bar. The proceeds from the evening will go, appropriately enough, to the Alberta Lung Association.

For further information about the "Spring Fling," write to or telephone Art Burgess, Fitness Coordinator, W-134 Physical Education and Recreation Centre, 435-8984. □



Concert Choir Performance

An equitable deal is in the offing for 27 March. You pay the low price of \$2 (\$1 if you are a student or senior citizen) and thereby lend your ears to The University of Alberta Concert Choir. In return, you hear the Choir's annual Spring Concert, this year featuring works by des Pres, Sweelinck, Bruckner, Schubert, Verdi, Willan, Bacon, and Barber.

The concert will begin at 8 p.m. Friday, 27 March, in Convocation Hall.

For the benefit of those who would like further information before reaching an investment

decision, the Choir was established in 1970 and is sponsored by the University's Department of Music. It adheres to a busy schedule that includes annual Christmas and Spring Concerts, radio and television broadcasts, religious functions, and school programs. Virtually all Faculties are represented on the Choir. Membership is based on an audition for musical ability and enthusiasm for singing.

Tickets for the concert are available from the Music Department Office, from Choir members, and at the door. □

Nuclear Nucleus

Ursula Franklin, Professor of Metallurgical Physics, University of Toronto, will be guest speaker at a rally in Edmonton, 4 April 1981. The rally will focus on the concerns of a new Edmonton umbrella group on the issues of nuclear proliferation. Dr. Franklin will speak to the role of the scientists in nuclear society, and the scientist's responsibility to other citizens.

Dr. Franklin is a past member of the Science Council of Canada and in 1977 chaired the report of a Science Council committee on energy conservation. She has written and spoken widely on the subjects of nuclear hazards, disarmament and energy use.

William Harding of Regina will also speak at the meeting. Mr. Harding, a Saskatchewan-born agriculturalist, worked in development programming for the United Nations in New York and a number of developing countries for fourteen years. He is the author of three books on nuclear issues. He will also speak on campus at midday, 3 April.

The rally will commence at 12 noon at the Legislature

and participants will march to the Canadian Native Friendship Centre, 117 Street and 102 Avenue for the meeting. For information about Mr. Harding's talk, please contact Rev. E. Stephanson, Chaplains' Office, 158 SUB, 432-4620/1. □

people

L.A. Kosinski (Geography) was an invited participant at the 68th Session of the Indian Science Congress in Varanasi. While in India he visited several centres and presented lectures at the universities in Bhubaneshwar,

Chandigarh, Delhi, Madras, Tirupai, the Office of the Registrar General in Delhi, and the Institute for Population Studies in Bombay. Dr. Kosinski is currently editing a volume on population redistribution in South Asia. Dr. Kosinski also participated in a meeting of Canadian demographers with the fact finding mission from the People's Republic of China. The meeting was organized by the International Development Research Centre in Ottawa at the request of the UN Fund for Population Activities.

H.T. Lewis (Anthropology) was recently a guest speaker of the Department of Forestry, University of California, Berkeley, where he presented a series of talks and seminars on the use of fire by hunting-gathering peoples in North America and Australia. While in California he was also invited to present talks at the Western Regional Office of the US National Park Service in San Francisco; Headquarters, Redwood National Park in Arcata; and the University of California, Davis, Department of Anthropology,

E.D. Blodgett (Comparative Literature), recently lectured on "Fictions of Ethnicity in Prairie Writing," at the University of British Columbia and Simon Fraser University. He also gave a poetry reading at UBC.

M.V. Dimic (Comparative Literature), has recently attended meetings of the Executive of the Coordinating Committee for the "Comparative History of Literature in European Languages" and the Publications Committee of the International Comparative Literature Association which have taken place in Munich, Federal Republic of Germany, under the auspices of the University of Munich and the Bavarian Academy of Sciences. On behalf of the ICLA, he has also attended meetings in Belgrade, Yugoslavia, with representatives of Serbian and Macedonian Comparatists, and has discussed the possibility of joint Canadian-Yugoslav research in literary scholarship with Professor Vojislav Djuric, Vice-President of the Serbian Academy of Sciences.

service information

All material to be included under this rubric must reach the Office of Community Relations by 9 a.m. the Thursday before the desired issue of Folio is due to appear. Such information is published according to the dictates of space available. Thus, publication cannot be guaranteed.

Coming Events

Music

Jubilee Auditorium

26, 28 and 30 March. 8 p.m. Edmonton Opera presents "Cavalleria Rusticana" and "I Pagliacci." Tickets: Mike's, HUB and Opera Box Office.
27 March. 8 p.m. "Elvis-Elvis-Elvis." Tickets: Mike's, HUB, Eaton's, Bullwinkles and West Den.
29 March. 8 p.m. "Ronnie Prophet" in concert. Tickets: Mike's.
31 March. 8 p.m. "Andrew Culverwell." Tickets: Inside Story.
5 April. 8 p.m. North American Baptist College Sacred Concert.
6 April. 7:30 p.m. "Manhattan Transfer" in concert. Tickets: Bass.
8 April. 8 p.m. Edmonton Overture presents "Carlos Montoya" in concert. Tickets: Mike's.

Department of Music Convocation Hall

26 March. 8:30 p.m. Joan Ringerwale, organ. Admission charge. Tickets: at the door.
These concerts are subject to change without notice. For verification of dates please contact the Department of Music at 432-3263.

Alberta College

Faculty Recital
30 March. 8 p.m. Dennis Prime, clarinet. Provincial Museum.
International Concert Series
6 April. 8 p.m. Catherine Robbin, mezzo-soprano. Robertson-Wesley United Church. For more information call 428-1851.

SUB Theatre

28 and 29 March. 1 p.m., 4:30 p.m., 7:30 p.m. 30 March. 2 p.m., 5:30 p.m., 8 p.m. "Las Vegas Variety Revue." Tickets: Royal Canadian Legion Sales Office.

3 April. 8 p.m. Angele Arsenault in concert. Tickets: HUB, Mike's, Eaton's, Superclef Music.

Provincial Museum

29 March. 2 p.m. and 3 p.m. Balada Romanian Folk Ensemble.

Edmonton Chamber Music Society

1 April. 8 p.m. The Rogeri Trio. Works for violin, piano and 'cello. SUB Theatre. Admission by membership only. For more information call 439-6823.

Shadows at Waldens

Until 28 March. Charlie Austin Trio.
30 March to 11 April. Fat Chants.

Edmonton Symphony Orchestra

"Master Series"

3 and 4 April. 8 p.m. A mapor choral extravaganza—Mendelssohn's "Elijah." For ticket information for all ESO events, please call 439-2091.

Edmonton Recorder Society

27 March. Group recorder playing at the South West Cultural Centre, 11507 74 Avenue. Please bring stands and instruments.

Edmonton Jazz Society

Until 28 March. 9 p.m. The Johnny Griffin Quartet. Palms Cafe, 10010 102 Street.

St. Joseph's College

Monday evenings. 7 p.m. Gregorian chant choir. All welcome. St. Joseph's College Chapel. Telephone 433-1569.

Edmonton Philharmonic Society

This non-professional community orchestra has openings for strings, percussion, bassoons, oboe and tuba. For further information please call Uri Kolet at 476-2092.

South Side Folk Club

4 April. 8 p.m. Leon Rosselson and Roy Bailey, from England, with Bernie Evans, from Invermere. Orange Hall, 104 Street and 84 Avenue. Tickets: HUB and Keen Kraft Music. Club information: 478-6417.

Films

SUB Theatre

31 March. 7 p.m. "Gone With The Wind" (USA 1939).
2 April. 7 p.m. and 9:45 p.m. "2001—A Space Odyssey" (1968).
5 April. 7 p.m. "Dr. Zhivago" (1965).
6 April. 7 p.m. "The Birds" (1963).
9:30 p.m. "Frenzy" (1972).
7 April. 7 p.m. and 9:30 p.m. "Dr. Strangelove" (1963).

Department of Germanic Languages

1 April. 19:30. "Winterspelt" (1977/78). Eintritt frei. 17 Arts Building.

National Film Theatre

26 March. 7:30 p.m. "Eraserhead."

9 p.m. "The Bitter Tears of Petra Von Kant."
27 March. 7:30 p.m. The Best of the 1980 Cannes Festival Commercials.
9:20 p.m. "Eraserhead."

Provincial Museum

28 March. 2 p.m. "The Changing Forest," "The Tree," "Prairie Spring."
29 March. 4 p.m. and 7 p.m. "Carpathian Tales," "Bucharest," "Pastorale," "The Lads Reel," "Sinaia."
30 March. 2 p.m. "The Muppet Movie."
31 March. 2 p.m. "Charlotte's Web."

Edmonton Public Library

Centennial Library Theatre

28 March. 10:30 a.m. "Children's Cinema" will be presented by the Audio-Visual Division. Admission free.
30 March. 12 noon. "Brown Bag Cinema" will be presented by the Audio-Visual Division. Admission free.
"Couples" series
28 and 29 March. 2 p.m. "The Taming of the Shrew" (1967).
4 and 5 April. 2 p.m. "Love Me Tonight" (1932).

Ciné-club francophone pour adultes

29 mars. 19h.30. "Martial Carron: du mauvais côté de la clôture," "Le Chant d'endurance." Une programmation présentée par l'Office national du film et la Faculté Saint-Jean. L'auditorium de la Faculté Saint-Jean, 8406 91e rue.

Jubilee Auditorium

2 April. 6 p.m. and 9 p.m. Travel film. "Norway." Tickets: Bass.

University of Alberta Film Studies Program

Michael Rubbo: *The Man and his Films*
26 March. 12:30 p.m. "Peristent and Finagling" (1971), and "Tigers and Teddy Bears" (1978). L-3 Humanities Centre.
2 April. 7:30 p.m. "Solzhenitsyn's Children . . . Are Making a Lot of Noise in Paris" (1978). L-1 Humanities Centre. Michael Rubbo will be present for a discussion after the film.
3 April. 8 p.m. "Yes or No, Jean-Guy Moreau" (1980). (To be shown with John Kramer's "The Inheritance . . . The History of a Quebec Political Family".) Provincial Museum Theatre.

National Film Board of Canada

Daily. 12 noon and 1 p.m. A varied program of films will be offered, giving the general public the chance to see new and old films. On Mondays, Wednesdays and Fridays the films will be in English, and on Tuesdays and Thursdays in French. Programs will be available at the door and admission is free. For further information please call 420-4010.

Theatre

Studio Theatre

Until 5 April. "Old Times" by

Harold Pinter. For ticket information and show times please call 432-2495.

Citadel Theatre

Shoctor Stage

Until 12 April. "Grease" in co-production with the Manitoba Theatre Centre.

Rice Stage

Until 12 April. "The Hollow Crown" by John Barton. Theatre Box Office: 425-1820.

Théâtre français d'Edmonton

3 à 5 et 10 à 12 avri. 20h.

Festival du théâtre francophone de l'Alberta. L'auditorium de la Faculté Saint-Jean. Téléphone 469-0829.

Theatre 3

Until 11 April. "Bent" by Martin Sherman. Tickets: Bass and Theatre 3 (426-6870).

Exhibitions

Provincial Museum

Until 31 March. "Ukrainian Religious Architecture." An exhibition of black and white photographs by Orest Semchishen. Orientation Gallery.
Until 30 March. "Minerals, Metals and Man." A travelling exhibition produced by the National Museum of Natural Sciences, showing man's use of minerals. Feature Gallery #3.
Until 20 April. "Thank You," a new, permanent exhibit that will feature recent, unusual and interesting acquisitions of the Museum. East Alcove.
Through March. "The Inuit." Eskimo artifacts from the collection of the Provincial Museum. Ethnology Feature Gallery.
Continuing. "The Herbarium of Louis XIV." An exhibition of fifty 17th century copperplate etchings from the Musée du Louvre. Auditorium Foyer.
Continuing. "Bears of Canada." An exhibition featuring black, grizzly and polar bears. East Alcove. (A series of lectures and films will accompany the exhibit. See lectures and films columns).
Continuing. "Nag Hammandi" a collection of thirteen papyrus codices found in 1945 near the Nile. Human History Gallery.

Edmonton Public Library

Foyer Gallery

Until 31 March. "I'm Talking to You and Other Works," an exhibition of paintings by Edmonton artist David Vereschagin.

Photography Gallery

Until 31 March. "Bits and Pieces of Dominance" photo sequences by Dennis Wall.

University Special Collections

"Aspects of Quebec: 1618-1975." This new display can be seen in B37 Cameron Library. The hours are Monday to Thursday 8:30 a.m. to 6 p.m., Friday 8:30 a.m. to 5 p.m. and Saturday 12 noon to 5 p.m.

Students' Union Art Gallery

Until 2 April. BFA Exhibition. Opening reception 19 March, 8 p.m.

Ring House Gallery

Until 12 April. "Anne Savage: Her Expression of Beauty." An exhibition of works by the Montreal landscape painter.

Until 1 April. "A Growing Collections: The Department of Zoology." An exhibition of natural history specimens from the Department's research collection. Opening reception 26 March, 8 p.m.

Latitude 53 Society of Artists

Until 5 April. Photography by Christopher Rainer. 9749 111 Street.

Multicultural Heritage Centre

26 March. 7 p.m. Music from Rumania.
Until 5 April. "Clay and Cloth," an exhibition featuring pottery by Sam Uhlick, and quilting by Judy Villett.
Settlers' Cabin a "living museum" of pioneer and ethnic crafts.
Handicraft Store features work by local artisans.
Library and Archives with pioneer photographs, tapes and maps.
Homesteaders' Kitchen serves lunch daily (except Mondays) noon to 2 p.m., coffee and dessert 2 p.m. to 4 p.m., and dinner Thursday evening from 5:30 p.m. to 7 p.m.
The Heritage Centre is located at 5411 51 Street, Stony Plain. Telephone: 963-2777.

Edmonton Art Club

2 to 16 April. Spring Art Exhibition at the Edmonton Art Gallery.

Shadows at Waldens

Until 28 March. An exhibition of photographs by Alice Rondez Bauman.
28 March to 11 April. "European Vignettes" by Paul Allen.

Rutherford House

The restored home of Alberta's first Premier is open to visitors Monday to Friday 9 a.m. to 5 p.m., Saturday and Sunday 12 noon to 6 p.m. Group tours may be arranged by calling 422-5708 at least one week in advance.

Alberta Natural Resources

Science Centre

The Centre consists of six permanent pavilions with displays that describe and interpret how Alberta's natural resources are put to use. Opening hours are Saturdays and Sundays from 11 a.m. to 5 p.m. School tours are available Monday to Friday. Admission and parking are free. The Centre is located east of Edmonton at the new Strathcona Science Park. For further information and bookings phone 427-9490.

Lectures and Seminars

Department of Forest Science

26 March. 12:30 p.m. "An Improved Growth Model for Trembling Aspen

in the Prairie Provinces of Canada" by T.I. Grabowski, and "Small Scale Color and Color Infrared Photography for Forest Cover" by R. Morton. 768 Chemical-Mineral Engineering Building.

31 March. 12:30 p.m. J. Bentz will discuss "The Effect of Fire on Rocky Mountain Bighorn Sheep Range in Alberta." EM4-1 Mechanical Engineering Building.

1 April. 12 noon. J.D. Lousier MacMillan Bloedel Ltd. will speak about "Forest Nutrition—The Designed Forest System Perspective." EM3-1 Mechanical Engineering Building.

SUB Art Gallery

26 March. 12:30 p.m. R. Braun and K. Lewis will read their own poetry.

Department of Secondary Education

26 March. 3 p.m. W.F. Pinar, University of Rochester will speak on "The Auto-biographic Approach to Curriculum Research." 116 Education South.

27 March. 10 a.m. A public lecture by W.F. Pinar on "Curriculum Reconceptualizing" will be presented in 2-115 Education North.

Department of Classics

26 March. 4 p.m. J.R. Wilson will speak on "Traditional Values in Thucydides, part II: 'Philia'."

2 April. 4 p.m. "The Roccagloriosa Pottery: Crossroads in Western Lucania" with H.F. Miller. 1-8 Humanities Centre.

Biological Research Discussion Group

26 March. 4 p.m. W. Wickner, UCLA, will present a seminar entitled "Synthesis of an Integral Membrane Protein from a soluble Cytoplasmic Precursor: M13 Procoat and the Membrane Trigger Hypothesis." 227 Medical Sciences Building.

1 April. 4 p.m. "Cryoenzymology of Penicillinase" will be discussed by T. Fink, University of California, Santa Cruz. 4-70 Medical Sciences Building.

Department of Entomology

26 March. 4:30 p.m. "Siphona (Diptera: Tachinidae). Systematics revisited." 2 April. 4:30 p.m. D. Currie will discuss "Factors influencing the distribution of Nearctic *Gymnopaia* (Diptera: Simuliidae)." Coffee at 4 p.m. 62 Athabasca Hall Annex.

Alliance française

26 March. 7:30 p.m. "Un voyage à travers la peinture," a talk with slides by C. Verdier, Paris. Faculté Saint-Jean.

Faculty of Business Administration and Commerce

27 March. 11 a.m. J. Zowe, University of Bayreuth, will present a lecture entitled "First and second order

optimality conditions for optimization in infinite-dimensional spaces." 457 CAB.

Department of Sociology Group in Sociological Methodology

27 March. 2 p.m. "Some Sociological Applications of Statistical Decision Functions" will be discussed by P. Krishnan. TB-36 Tory Building.

Department of Elementary Education

27 March. 8 p.m. Phyllis Webb, writer in residence, will speak at the meeting of the Edmonton Branch of the Canadian Authors Association., Unitarian Church. 12530 110 Avenue.

Cross Cancer Institute

27 March. A symposium on "Bronchial Carcinoma" with guest speakers H.H. Leveen, Charlestown, SC, and D. Seaman, Rochester, NY. Further details and registration from The Division of Continuing Medical Education, 12-103 Clinical Sciences Building.

Department of Physics Third Annual Distinguished Lecture Series

30 March. 3:30 p.m. A public lecture entitled "Will the Universe expand forever?" will be presented by M. Rees, University of Cambridge. P126 Physics Building.

31 March, 1 and 2 April. 3:30 p.m.

Professor Rees will also present a series of three lectures entitled "Galactic evolution, gravitational collapse and cosmology." V128 Physics Building.

The Association for Bright Children

30 March. 7:30 p.m. The monthly meeting will take place in Mee-Yah-Noh School, 9921 128A Avenue. For more information please call 454-8796.

Edmonton Association for Children with Learning Disabilities

30 March. 8 p.m. "The relationship between poor nutrition and anti-social behavior" by Barbara Reed, Chief Probation Officer for Cuyahoga Falls, Ohio. Charles Killam School, Camrose.

Technocracy Inc.

31 March. 8 p.m. J. Gregory will present an "Introduction of Technocracy." Rocking Chair Lounge, HUB Mall.

Department of Botany

1 April. 4 p.m. J. Marowitch will present "Temperature effects on translocation in *Phaseolus vulgaris* L." Coffee at 3:30 p.m. M-149 Biological Sciences Building.

Faculty Forum

1 April. 6:30 p.m. Faculty Forum Dinner with guest speaker P. Craigie, University of Calgary. The topic is "EBLA: The Rediscovery of Ebla in

the Old Testament." Dinner reservations are required and are available through the Chaplains' Offices. 432-4513.

Faculty of Dentistry

2 April 1 p.m. K.A. Samson Perera, University of Leeds, will lecture on "Tooth Eruption." 2031 Dentistry/Pharmacy Centre.

Department of Zoology

3 April. 3 p.m. M. Stearns, University of Colorado will speak about "Role of the microtubular lattice in axoplasmic transport." 345 Agriculture Building. Refreshments to follow in CW-410 Biological Sciences Building at 4 p.m.

7 April. 3 p.m. "Meddling with migration: frustrations of a long experimental affair" will be presented by T. Northcote, University of British Columbia. M-137 Biological Sciences Building.

Department of Marketing and Economic Analysis

6 April. 2 p.m. F. Coronel, Chicago Board of Trade, will speak on "The Growth of Financial Futures at the Chicago Board of Trade, Marketing Opportunities." 457 CAB.

The Women's Canadian Club

7 April. 12:15 p.m. Guest speaker will be Marv Moore, playwright. For more information, please call 429-7787 or 455-8465.

Faculty of Home Economics Foods and Nutrition Division

8 April. 4 p.m. "Labor Productivity in Food Service Operations" will be presented by A.N. Moore, University of Missouri-Columbia. 165 Education Building.

Faculty Women's Club

8 April. 8 p.m. Members are reminded about the film "It's Your Decision" to be shown at the W.W. Cross Cancer Institute. Guests welcome. Admission free.

Students International Meditation Society

Wednesdays. 12 noon. Introductory lectures on the Transcendental Meditation program. Everyone welcome. 280 SUB.

Alcoholics Anonymous

8 p.m. Monday evenings. St. Joseph's College.

Radio and Television

Department of Radio and TV

28 March. 7 p.m. University Concert Hall: Recital by the Faculty of Music. 30 March. 7 p.m. Legal Maze: Pornography and Obscenity.

31 March. 7 p.m. Epicycle: Spiritual Disciplines.

1 April. 7 p.m. Voiceprint: Amerindian Languages, and the Stories of the Cree.

All programs on CKUA Radio (580AM/95FM).

CBC Stereo "Ideas" Series

Between Two Ages

30 March. "A new Heaven and a New Earth."

The Political Economy of Energy

31 March. "The Political Economy of Energy."

Notes on a New World:

Diplomacy and Strategy in the 1980s

1 April. "The 1980s: Living with Uncertainty."

The High Cost of Working:

Occupational Health in the '80s

26 March. "The Balance Sheet"

2 April. "Stress Cause and Effects"

All programs begin at 8:04 p.m.

93.3 FM

Non-Credit Courses

Faculty of Extension

Advanced Workshops in Teaching

Date: 28 March. (Oral Activities);

11 April (Conversation); 25 April

Recognizing and Correcting Errors);

9 May (Beginning ESL Students).

Time: 9 a.m. to 12 noon. Fee: \$15

per workshop. Class limit: 25.

Telephone: 432-2497, 432-3036.

Top Maintenance Management

Date: 30 March. Fee: \$250 including

manual, lunch and dinner. Telephone:

432-3037, 432-5038.

Maintenance Management

Date: 31 March to 3 April. Fee: \$95

including materials and lunches.

Telephone: 432-3037, 432-5038.

Widespan Lightweight Roof Structures

Date: 1 and 2 April. Fee: \$195

including lunches and materials.

Telephone: 432-5318.

Effective Selling Skills

Date: 2 April for 10 Thursdays.

Time: 6:30 p.m. to 9:30 p.m. Fee:

\$175 inclusive of materials. Telephone:

432-5066/7.

Treasures of Ancient Nigeria:

Legacy of 2,000 Years

Date: 2 and 3 April. On 2 April

A. Nitecki, Glenbow Museum, will

lecture on Nigerian art. On 3 April

participants will go by bus to Calgary

to see the exhibit and attend a special

lecture. Class limit: 29. Fee: \$45.

Telephone: 432-5061, 432-5532.

Statistical Approaches to

Decision Making for Engineers

Date: 6 and 7 April. Fee: \$150.

Telephone: 432-5532.

Motivating Subordinates

Date: 8 April. Time: 9 a.m. to 4:30 p.m.

Fee: \$95 including materials and

lunches. Telephone: 432-5066/7.

English Language Program

The Faculty of Extension is offering courses in English as a second language during the spring term. The courses will run from 20 April to 29 June. For more information please call Professor Ruth Pearce, 432-2497, 432-3036 or 432-3116.

Computing Services

Client Training Sessions

Computing Services is taking registrations between 8:30 a.m. and noon for the following non-credit courses. For further information, please telephone Information Services at 432-2463 or come to 319 General Services Building.

SPIRES Formats

Course number: 288. Date: 1 April. Time: 8:30 a.m. to 12 noon. Fee: \$10. Prerequisites: "Introduction to SPIRES" workshop, "SPIRESFile Definition" course and a project to work on, e.g. a Name-Address Project. Place: 328 GSB.

SPIRES Data Base Management

Course number: 291. Date: 8 April. Time: 8:30 a.m. to 12 noon. Fee: \$10. Prerequisites: "Introduction to SPIRES" workshop. Place: 328 GSB.

Introduction to Text Formatting

Course number: 308. Date: 14, 16, 21, 23 April. Time: 10 a.m. to 12 noon. Fee: \$15. Prerequisites: "MTS and Editor Fundamentals" course and a good working knowledge of the File Editor. Place: 328 GSB.

SPIRES Protocols

Course number: 293. Date: 15 April. Time: 8:30 a.m. to 12 noon. Fee: \$10. Prerequisites: "Introduction to SPIRES" workshop. Place: 328 GSB.

PLATO Courses

The recent series of PLATO courses will be repeated as soon as there is a minimum waiting list of five students per course. The courses are: PLATO Group Director Functions; PLATO Instructor Files and Routers; Care and Feeding of PLATO Notesfiles, and PLATO Account Director Functions. Each course consists of one three-hour lab. Interested persons please contact the Training Coordinator at 432-2261 or 319 General Services Building between 8:30 a.m. and 12 noon.

Division of Continuing Medical Education

Perinatal Morbidity—

Etiology and Prevention

Date: 8 and 9 April. Location: Misericordia Hospital Auditorium. Co-sponsored by Department of Obstetrics and Gynaecology, Misericordia Hospital Emergency Physicians Association. This program is approved for 14 Study credits by the College of Family Physicians of Canada.

Non-Invasive Assessment of Coronary Heart Disease

Date: 10 and 11 April. Location: Hotel Macdonald. Co-sponsored by Divisions of Cardiology and Nuclear Medicine, Royal Alexandra Hospital, Albert Heart Foundation, and College of Physicians and Surgeons of Alberta. This course is approved for 10 College of Family Physicians Study Credits.

Panorama of Pediatrics

Date: 22 to 24 April. Location: Misericordia Hospital Auditorium. Co-sponsored by The Misericordia Hospital, Department of Pediatrics, University of Alberta, and Misericordia Emergency Physicians Association. This course is approved for 18 College of Family Physicians Study Credits.

Banff Publishing Workshop

Careers in Publishing

Date: 31 March. Place: AV L3 Humanities Centre, The University of Alberta. Time: 12:30 p.m. - 2 p.m. Further information: Banff Publishing Workshop, Inter-Arts, The Banff Centre, PO Box 1020, Banff, Alberta T0L 0C0.

Notices

General Faculties Council

The next meeting of General Faculties Council will take place on Monday, 30 March 1981, at 2 p.m. in the University Hall Council Chamber. The agenda for that meeting follows:

1. Approval of the Agenda
2. Approval of the Minutes
 - 2.1 GFC Minutes of 26 January 1981
 - 2.2 GFC Minutes of 9 February 1981
3. Question Period
4. New Members of GFC 1981-82

Reports

5. Executive Committee Reports
 - 5.1 Executive Committee Minutes of 2 February 1981
 - 5.2 Executive Committee Minutes of 2 March 1981
 - 5.3 Executive Committee Minutes of 16 March 1981
6. Report of the Board of Governors
7. Report of the Nominating Committee

Business Arising

8. GFC Standing Committees: Recommendation from the Executive Committee

New Business

9. GFC Committee on Admissions and Transfer (CAT): Annual Report for 1979-80
10. Master's Degree in Speech Pathology: Proposal from the planning and Priorities Committee (PPC)
11. Equal Opportunities Committee (EOC): Annual Report 1979-80
12. BA (Special) in Criminology: Request for Quota

13. Faculty of Extension Program and Course Approval: Request from the Planning and Priorities Committee for Delegation of Authority
 14. Access to Information Held by GFC Committees: Recommendations from the Executive Committee
- For Information*
15. Report of the University Librarian to the President: Letter from the Secretary
 16. Government Proposal for Teacher Internship and a Teacher Competency Examination: Response from the Faculty of Education.

New Business

17. Student Housing Policy: Recommendations from the GFC Housing and Food Services Advisory Committee
18. Degree Program in Computer Engineering: Proposal for expansion from the Planning Priorities Committee
19. Other business.

Policy on Contracts and Commitments

Preamble

Occasionally, there are times when coordination of administrative matters related to certain types of contracts and commitments involving the University and outside parties fails. This results in a number of internal problems:

1. Insurance coverage in relation to liability or other risk exposure is often overlooked.
2. Funds in respect to such contracts and commitments are not sent to the appropriate University officer, creating difficulties in determining the related contracts or commitments with which they are associated.
3. Legal considerations and overhead allowances are often overlooked.
4. Space considerations are sometimes overlooked.
5. Contracts and commitments are not always executed by the appropriate University authorities.
6. There is no central registry of contracts and commitments between the University and outside parties, which creates difficulties in establishing the nature, status, and extent of these relationships.

Objective

1. The objective of the policy is to coordinate the administrative requirements of contracts and commitments between The University of Alberta and individuals, groups, agencies, or Institutions outside the University. These contracts and commitments normally involve funding, liability, or other obligations on the part of the University toward outside parties, including companies, private organizations, governments and their agencies, and so on.
2. Only the following contracts and commitments are *excluded* from this policy: (a) those administered by the Research Grants and Contracts Office; (b) those administered by the Office of Community Relations; (c)

those administered by the Office of Student Awards; (d) those involving the acquisition, rather than the provision, of goods and services outside the University; and (e) those standard form contracts used by service, support, or ancillary departments which have been approved by the responsible Vice-President.

3. General examples of contracts and commitments to be coordinated under this policy include (a) conditional and special operating, capital, or other grants from governments and their agencies, from private organizations, and from other sources and (b) affiliation agreements involving other educational institutions and organizations, hospitals, and other groups and organizations.

4. Specific examples of contracts and commitments include those involving the Provincial Laboratories; the conditional grants for the Mineral Engineering Program; Innovative Projects; temporary employment programs; negotiated development grants and other grants from such agencies as the Canada Council, NSERC, SSHRC, CIDA, CUSO, LIP, TRIUMF; hospital affiliation agreements; and the supply of utilities to the greater campus area.

Administrative requirements

1. Faculties and Departments are requested to negotiate contracts and commitments of the nature described above in consultation with the Office of the Vice-President (Finance and Administration). This Office will coordinate consideration of (a) academic implications; (b) staffing, space, indemnity, and liability arrangements; (c) funding in relation to the estimated capital costs and the direct and indirect operating costs; (d) budgetary implications upon expiry of the contracts or commitment; (e) legal implications including any limitations or requirements under *The Universities Act*; and (f) any required committee or other approval within the University.

2. Contractual documents should indicate that: (a) any notices to the University are to be sent to the Vice-President (Finance and Administration) and (b) any payments to the University are to be sent to the Comptroller.

3. Execution of the final contractual or other documents by the appropriate University signatories will be arranged by the Office of the Vice-President (Finance and Administration). That Office will distribute copies of the executed documents to the involved Faculty or Department, the appropriate Vice-President(s), the Comptroller's Office and elsewhere as required. One copy of the executed documents will be retained in the Office of the Vice-President (Finance and Administration) which will maintain the central registry of the described contracts and commitments.

4. Under this arrangement, negotiations with outside parties will continue to be the responsibility of the involved Faculties and Departments. Consultation

with the Office of the Vice-President (Finance and Administration) does *not* preclude direct discussion of the proposed contracts or commitments with the President or other Vice-Presidents. Enquiries about the policy and the administrative requirements should be directed to D.C. Norwood, Executive Assistant to the Vice-President (Finance and Administration), 3-22 University Hall, telephone 432-4730.

Parler Français before the Summer

For the fourth year in a row, a very intensive French immersion program for professionals has been organized at Faculté Saint-Jean. A maximum of twelve students will be accepted on a first-come, first-served basis for this three week course beginning on 4 May.

The fifty graduates of this course achieved a high level of fluency and many went on to spend their summer in various francophone regions of the world.

Two professors will work on the individual difficulties of each student in order to keep the class moving along quickly. Classes run from 9 a.m. to 2:30 p.m. five days a week. The course costs \$150 and inquiries should be directed to Liliane MacCallum at 466-2196, extension 58.

University/Community Special Projects

The Advisory Committee for the University/Community Special Projects Fund will be accepting proposals for consideration under the Fund.

The Fund has been established to provide grants-in-aid to projects of special significance to this region of Canada or of some particular significance to this University. Without limiting the scope of the fund the primary uses will be for such projects as the purchase of works of art of particular significance to the area, the purchase of items of special geographic or subject interest, support of publications of significance to this region of Canada, the conservation of important collections in the University, and the underwriting of special exhibitions or other projects to increase public awareness of collections in the University.

Projects will be either of a capital nature or limited to a two-year operating period. Preference will be given to projects and activities that cannot in practice be funded by other means.

Project proposals should be accompanied by a detailed budget. Applicants are encouraged to seek the support of departments or other related units within the University in submitting proposals.

The deadline for submissions in each year will be the 15th of January, April and September. Proposals should be sent to: Dr. Amy Zelmer, Chairman, University/Community Special Projects Committee, 3-4 University Hall.

Surplus Equipment

The equipment appearing in this column is available only to University Departments with University Administered Funds. For further information about the purchase of equipment or the disposal of any of your department's surplus equipment, contact Bonnie O'Dwyer or Roy Bennett, telephone 432-3208.

Precision Scientific Warburg Apparatus. Telephone D. Wighton at 432-3606. Sample Oxidizer Model 305; refrigerated, portable centrifuge; vacuum oven (precision scientific); infra-red spectrophotometer; Savant Flat Plate electrophoresis apparatus with power supply; pressure reaction apparatus Model 3911 plus two-stage reduction valve (hydrogen); fluidized sand bath (heating) with air pump, Cole Parmer. Telephone A.R.P. Patterson, 432-3541.

Positions Vacant

Dishwasher

A dishwasher for laboratory glassware is required for six to eight hours a week. The rate of pay will be \$5.50 per hour. For more information, please telephone 432-6280.

Chairmen

Applications and nominations are invited for the position of Chairman in each of three Departments within the Faculty of Physical Education and Recreation. The Departments are those of Athletic Services, Movement Education, and Physical Education.

Information concerning the duties of the successful candidates may be obtained by contacting the Office of the Dean at 432-3364.

A *curriculum vitae* and three references should be submitted by Wednesday, 8 April, to Dean H.J. McLachlin, Faculty of Physical Education and Recreation, E-463, Physical Education and Recreation Centre, The University of Alberta, Edmonton, Alberta T6G 2H9.

Data Entry Operator

A data entry operator is required to enter, update and process medical genetics records using SPIRES. The position may involve some Textform work also. For more information telephone Catherine or Brenda at 432-6378.

Clinical-Biomedical Engineer

A challenging position offers the opportunity to become involved with the setting up of a new department and to contribute to the commissioning of a major teaching and research hospital. The holder of this position will be responsible for various aspects of a busy in-house clinical engineering program including equipment acquisition

and control, an electrical safety program, in-service education of equipment users, and close collaboration with nursing and medical staff.

The qualifications required are a BSc in Electrical Engineering and several years of experience in the health care field. Proven management and supervisory skills and the ability to qualify for PEng status in the Province of Alberta are also required. Clinical engineering certification is desirable.

A good salary and benefits package is offered. Apply in writing to: Employment Office, University of Alberta Hospitals, 8440 112 Street, Edmonton, Alberta T6G 2B7. (Tel: 432-8891).

Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 20 March 1981.

Cashier (\$830.15-\$959.16)—Bookstore
Clerk Typist II (\$830.15-\$991.42)—Personnel Services and Staff Relations
Clerk Steno II (\$861.22-\$1,030.83)—Economics; Educational Foundations, Athletic Services; Mechanical Engineering
Senior Clerk (\$893.47-\$1,069.05)—Office of the Registrar
Library Clerk III (\$893.47-\$1,069.05)—Faculté Saint-Jean
Senior Financial Records Clerk (\$922.13-\$1,109.66)—Housing and Food Services; Rural Economy
Clerk Typist III (\$922.13-\$1,109.66)—Soil Science; Purchasing (2 positions); Printing; Department of Medicine; Political Science
Student Record Processing Clerk (\$959.16-\$1,157.44)—Education—Student Records Office
Clerk Steno III (\$959.16-\$1,157.44)—Faculty of Medicine; Law; Health Services Administration; Computing Science; Mineral Engineering (2 positions); Industrial and Vocational Education; Research Grants and Contracts Office
Admission Records Trainee (\$959.16-\$1,205.22)—Office of the Registrar
Accounts Clerk (\$991.42-\$1,205.22)—Purchasing
Public Relations/Publications Assistant (\$1,030.83-\$1,257.77)—University Collections
Medical Steno (\$1,030.83-\$1,257.77)—Pediatrics; Medicine
Storeman II (\$1,030.83-\$1,257.77)—Introductory Biology Program
Secretary (\$427.62-\$523.66)—Pharmacology
Secretary (\$1,069.05-\$1,309.14)—Pediatrics; Restorative Dentistry
Administrative Clerk (\$1,069.05-\$1,309.15)—Nursing; Medicine; Radio and Television
Publications Assistant II (\$1,205.22-\$1,484.71)—Computing Services

Storeman I (\$893.47-\$1,069.05)—Bookstore
Laboratory Assistant III (\$959.16-\$1,157.44)—Provincial Laboratory
Building Services Worker II (\$959.16-\$1,157.44)—Housing and Food Services (day shift); Physical Plant (Building Services)
Technician I (\$1,069.05-\$1,309.14)—Provincial Laboratory; Medicine (Trust); Computing Services
Chemical Technician I (Trust) (\$1,069.05-\$1,309.14)—Animal Science
Biology Technician I (\$1,069.05-\$1,309.14)—Introductory Biology Program
Farm Technician I (\$1,069.05-\$1,309.14)—Animal Science
Audiovisual Technician I (\$1,069.05-\$1,309.14)—Audiovisual Media Centre
Civil Engineering Technician I (\$1,069.05-\$1,309.14)—Civil Engineering
Technician I/Technologist I (\$1,069.05-\$1,484.14)—Pharmacology (Trust, Term); Medicine (Trust)
Graphics Technician I/II (\$1,069.05-\$1,848.14)—Graphics (Term)
Draftsman I (\$1,109.66-\$1,365.29)—Design and Construction
Engineering Technologist I (\$1,157.44-\$1,423.29)—Physical Plant (Energy Management) (Term)
Maintenance Worker I (\$1,157.44-\$1,423.81)—Physical Plant (Building Services); Physical Plant (Grounds)
Engineering Technologist I (\$1,157.44-\$1,423.81)—Physical Plant
Laboratory Technologist I (\$1,205.22-\$1,484.74)—Provincial Laboratory (2 positions)
Biochemistry Technician II (\$1,205.22-\$1,484.74)—Biochemistry (Trust)
Biochemistry Technologist I (\$1,205.22-\$1,484.74)—Immunology (Trust)
Chemical Technician II (\$1,205.22-\$1,484.74)—Animal Science (Trust)
Biochemical Technologist I (\$1,205.22-\$1,484.74)—Surgery (Trust-Term)
Technician II/Technologist I (\$1,205.22-\$1,484.74)—Obstetrics and Gynaecology (Trust)
Buyer I (\$1,309.14-\$1,617.33)—Bookstore
Electronics Technician II/III (\$1,309.14-\$1,843.07)—Physics
Technologist II (\$1,365.14-\$1,690.17)—Zoology
A/V Technician III (\$1,365.14-\$1,690.17)—Physical Education and Recreation
Photographer IV (\$1,365.29-\$1,690.17)—Pathology
Maintenance Worker II (\$1,365.29-\$1,690.17)—Physical Plant (Grounds)
Chemical Technologist II/III (\$1,365.29-\$1,924.07)—Mineral Engineering
Engineering Technologist III (\$1,484.74-\$1,843.07)—Design and Construction
Programmer/Analyst II (\$1,484.74-\$1,843.07)—Office of the Registrar; Office of Administrative Systems
Electronics Technician III (\$1,484.74-\$1,843.07)—Psychology; Biomedical Engineering
Information Coordinator (\$1,690.12-\$2,101.02)—Cardiology (Calgary) (Trust)
Electronics Technician IV (\$1,690.12-\$2,101.02)—Physics

Programmer/Analyst III (\$1,763.03-\$2,195.45)—Computing Services (2 positions); Cardiac Care Evaluation
 Programmer/Analyst IV (\$2,101.07-\$2,629.04)—Office of Administrative Systems
 Controlsfitter (\$2,312.27/month)—Physical Plant (Maintenance)

Advertisements

Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There are no refunds. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an alteration is made.

Accommodations available

Golfer's Paradise—Hanalei Bay, Kauai. Three bedroom townhouse near golf course, beach, pool. Free shuttle service. Rates for 2, 4 or 6 people, and over two weeks. Phone 469-7649.

For sale—Aspen Gardens. Excellent location. Four level Perry split, main floor family room with fireplace. Double heated garage. Priced at \$139,500. Call Prim Spidell, bus. 436-3050, 436-2450 Potter Realty.

For rent—1 May - 15 Sept. Three bedroom furnished house, St. Albert. 459-6102.

For rent—Greenfield. Three bedroom, furnished house. July 1981-July 1982. \$650 monthly. 435-5488.

For sale—Parkallen. Professor's dream. Newly renovated semi-bungalow, with rumpus room and den downstairs. Immaculate. Mature landscaping and garage. Excellent value \$94,000. Call Earl Scoville 436-4488. A.E. Lepage

For sale—Laurier Heights Crescent, 86 Ave. - 144 St. Large, four bedroom split level. Developed basement, 15 mins. University. Close to all amenities. Excellent mortgage. Asking \$138,900. 483-1647.

For rent—Attractive, two bedroom suite, lower half house. Furnished. Large treed 1½ lots. Washer, dryer. Walking distance hospital, University buses. \$347/month. Available 1 April. Jeff 1-245-8966 res., 1-269-3456 bus.

For rent—Westend, spacious house, four appliances, quiet area, large yard, garage, \$600 monthly. From 1 June to 1 Sept. 483-0231.

For rent—Five bedroom house. Furnished. July + August. \$500 monthly. 432-5342, 432-2442, 436-7903.

For sale—15 minute walk to University. Three bedroom, two storey house. Completely renovated. New wiring, roof. Aluminum windows on upper storey. Oak floors. Basement finished in pine. \$117,000. 433-7175.

For rent—Grandview. Furnished, bi-level. Upper level air conditioned, six appliances, two fireplaces, double, heated garage. One year lease, 1 August 1981 - 31 July 1982. 434-4935 evenings.

For rent—Christian family has apartment for rent in private home. Three large rooms, fireplace, kitchenette, shower, two piece bathroom, separate entrance. River-bend area. Available 1 June 1981. 434-6022.

For rent—Grandview. Furnished house. July 1981 to Sept. 1982. 434-5339.

Apartment to sublet—Large partially furnished, bachelor suite near University. Quiet, non-smoker(s) only. July - August. Gloria 432-3096, 433-0039 (evenings).

For sale—Castledowns, by owner, 1,769 sq. ft. Perry built, split level, four bedrooms, family room, fireplace, patio doors, landscaped, fenced. Attached garage. Many extras. Asking \$125,500. 456-9753.

For rent—University private, three room apartment. Senior student. References. \$300. 436-5010.

For Sale—By owner, Beaumont. 1,500' bungalow, attached double garage, two large lots, mature trees, hilltop view. Large 13¾ mortgage

available. 929-5884 (evenings).

For rent—Westend, charming house, four bedrooms and study, 2½ baths, family room, furnished, double garage, quiet street. 1 Sept. 1981 to 15 May 1982. References and interview required. (403) 489-2015.

For sale—Unique ¼ section, 1 hour southwest, spruce lined lake, second lake, 40 acres cultivated, older barn, large garage, oil revenue, well, major highway. \$95,000. 436-6593.

For sale—\$89,900. Call for appointment to view this sunny Hardisty bungalow. Quiet location, close to schools, excellent mortgage. Move in 1 May. June Hill 483-7017, 488-0620. Macaulay Nicolls Maitland.

For rent—Duggan. Three bedroom bungalow, keyhole crescent, hardwood floors, finished basement. 437-5379.

For sale—Belgravia. Immaculate, three bedrooms. Front drive garage. Heatilator fireplace, developed basement. Four appliances. Assumable mortgage. Owner agent. 426-5880 leave message.

For sale—Windsor Park home at 8954 Windsor Road. Four bedrooms, finished basement, double garage, mature landscapes. Immediately available for private sale at \$160,000.

Telephone 462-2004 or 433-4697 evenings.

For rent—Modern three bedroom bungalow, partially furnished, couple or family, no pets, non-smokers. Available 15 July 1981 to 1 August 1982. Greenfield. 435-6298.

For rent—St. Albert. Four bedroom, semi-detached condominium, double carport, 2½ baths, finished basement, fenced, five appliances. 1 May \$575/month. 459-4790.

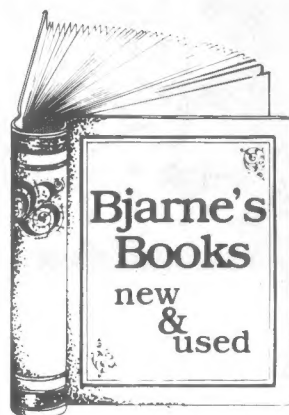
Accommodations wanted

Respectable couple now renting sabbatical house would like same, effective August 1981. 452-5615.

Summer visitors: Couple from Halifax wish to rent suite in University area for June - August 1981. Phone 439-3853.

House wanted to rent. Two mature, grad students (non-smoking) wish to rent two bedroom house. Good access to University. Call Marilyn 428-2986 days, 433-4848 evenings.

Visiting faculty member wishes to rent 2-3 bedroom house/condominium, furnished/unfurnished, near University or south side. 10-12 months starting 1 July or 1 August. (306) 653-2326. A. Sharma 432-3397. J. Masliyah 432-4673.



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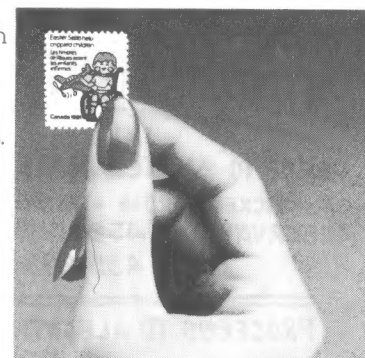
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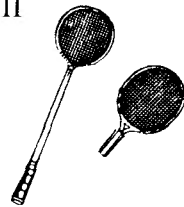
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